

Bolide Detection Notification: 2013-046

At 03:20:26 UT on 15 Feb 2013, sensors aboard U. S. Government satellites recorded the flash signature of a large meteoroid entry into the atmosphere. Location of the flash was Lat 54.8N, Lon 61.1E.

Based upon the visible-light intensity-time signature, peak brightness of the flash was determined to be approximately 2.4×10^{13} watts/steradian, and total radiated flash energy 3.75×10^{14} joules (6000K blackbody model).

Intensity-time signature of the event and integrated intensity are depicted on the plots below. On the intensity-time plot, one count on vertical axis corresponds to 2.0×10^{11} watts/steradian. On the integrated intensity plot, one count represents 2.5×10^{12} joules radiated energy.

